



Missouri  
Department of  
Natural Resources

**Kansas City Power & Light Company**  
**Power Plant Name: Montrose**  
**Electric Generation and Emissions in 2011**

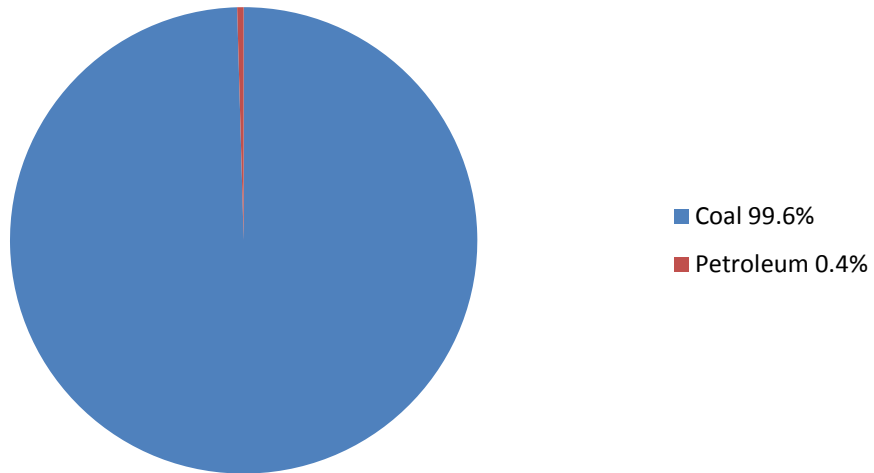
Generation Tables

	<b>Fuel Consumption, MMBTUs</b>	<b>Percent of Total</b>		<b>Net Electric Power Generated, MWh</b>	<b>Percent of Total</b>	
<b>Non-renewable sources</b>						
Coal	28,784,929	99.6%	99.6%	2,598,490	99.6%	99.6%
Natural Gas						
Petroleum	129,227	0.4%	0.4%	11,617	0.4%	0.4%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>28,914,156</b>	<b>100.0%</b>	<b>100.0%</b>	<b>2,610,107</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>28,914,156</b>		<b>100.0%</b>	<b>2,610,107</b>		<b>100.0%</b>

<b>Fuel Type</b>	<b>Physical Units</b>	<b>Number of Units</b>
Sub-bituminous Coal	Short Tons	1,653,191
Distillate Fuel Oil	Barrels	22,493



### Net Generation by Fuel Type, 2011 for Montrose





Missouri  
Department of  
Natural Resources

Power Plant Nameplate information for Montrose

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
Montrose		<i>All Operating Generators</i>			2,256.0
Montrose	Henry	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	752.0
Montrose	Henry	2	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	752.0
Montrose	Henry	3	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	752.0



Missouri  
Department of  
Natural Resources

Emissions from Electricity Generated in 2011: Montrose

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
Montrose	104,767,954	12,355,483	1,397,826	203,413

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
Montrose	22,727	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Montrose power plant

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Montrose power plant

<b>Plant</b>	<b>Control Equipment</b>
Montrose	Electrostatic precipitator, cold side, with flue gas conditioning



## Missouri Department of Natural Resources

### **Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>